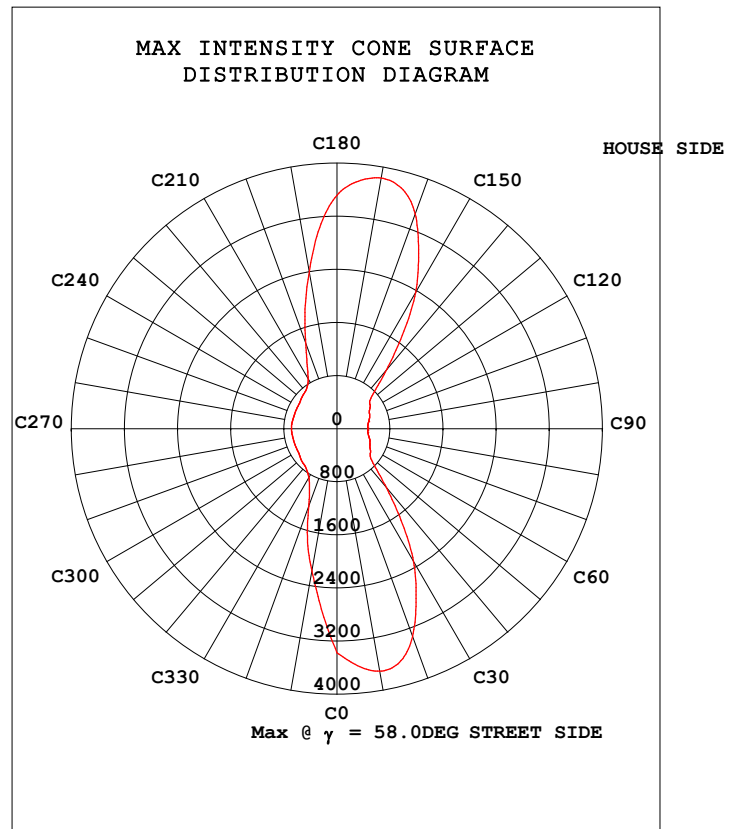
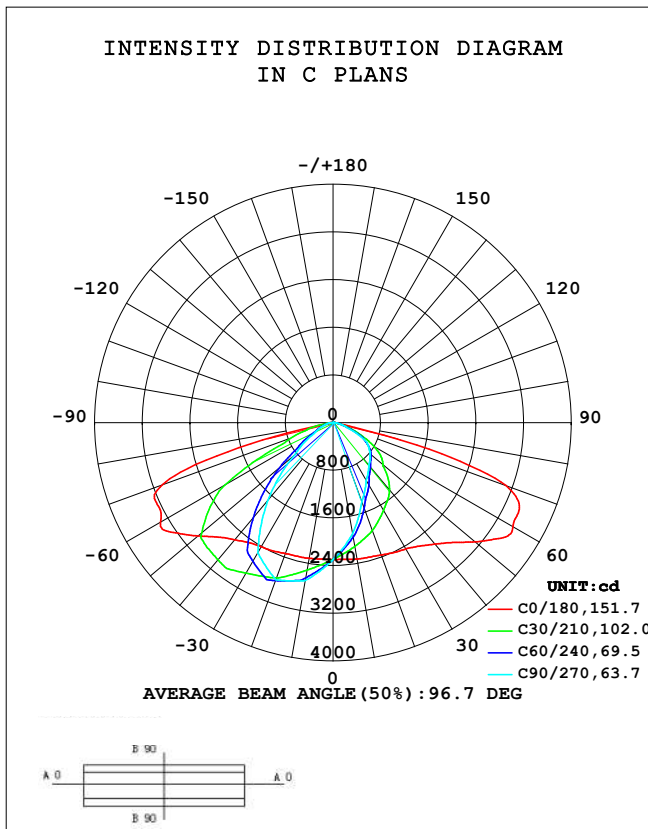


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.2361A P:50.90W PF:0.9760 Lamp Flux:7413.17x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.64 lm/W			
MODEL	LED	Imax (cd)	3834	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	50.5
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	7413	η house_up (%)	0.0
NOMINAL FLUX (lm)	7413.17	MAXIMUM @ (C, γ)	170,58.0	η house_down (%)	49.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	17.824



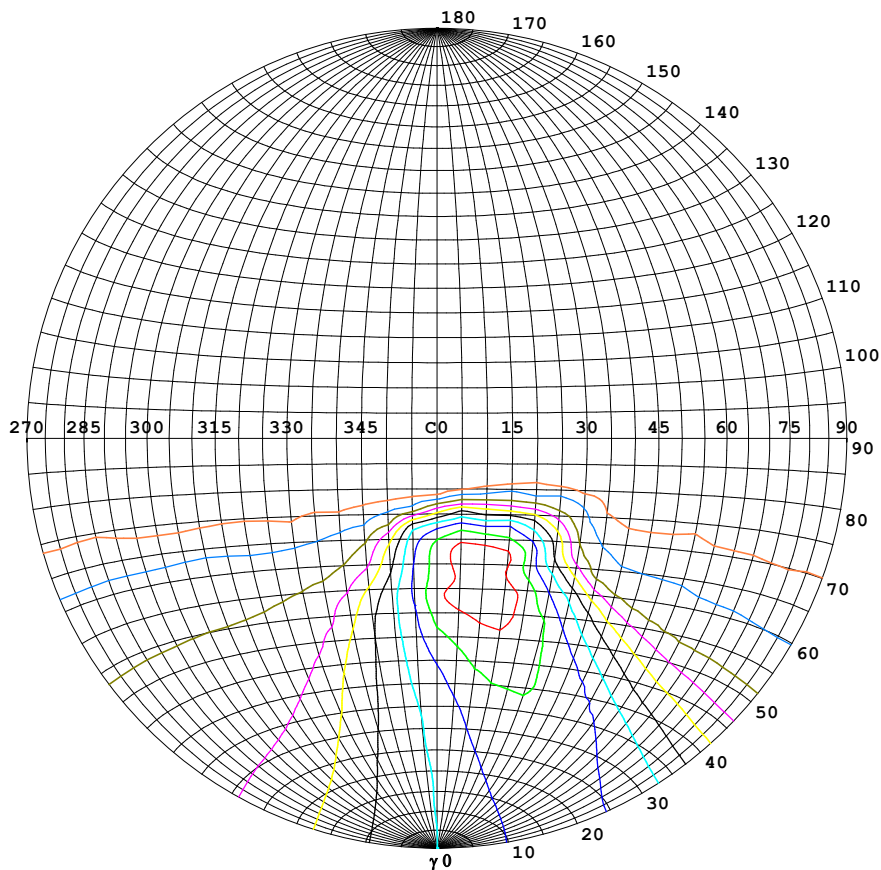
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.2361A P:50.90W PF:0.9760 Lamp Flux:7413.17x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



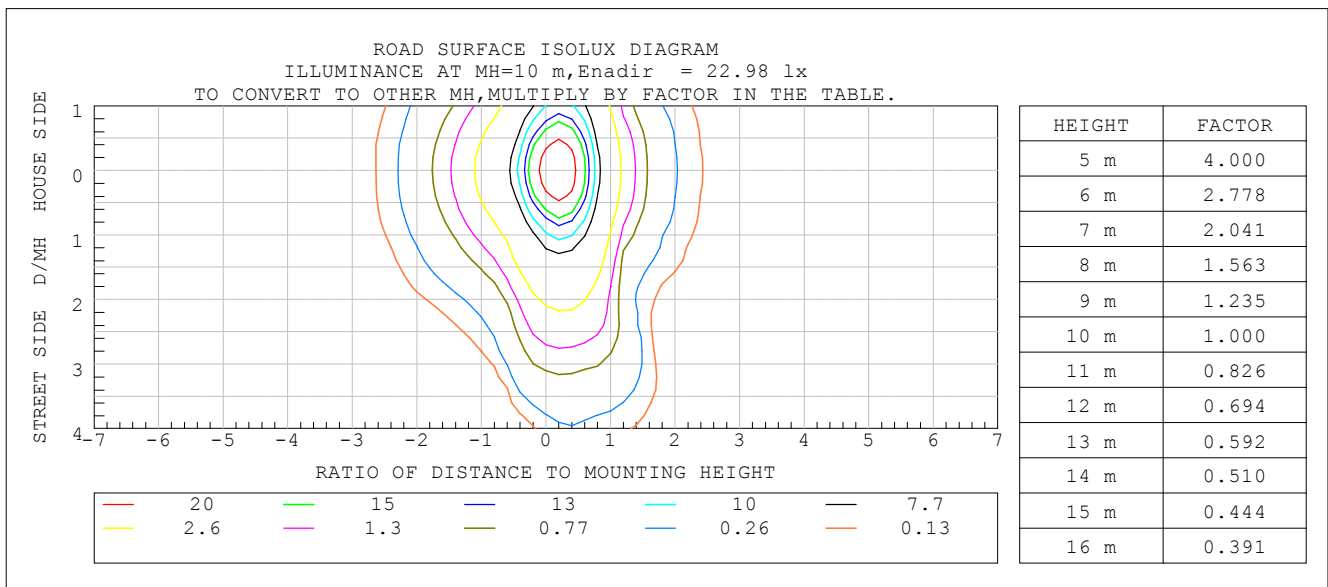
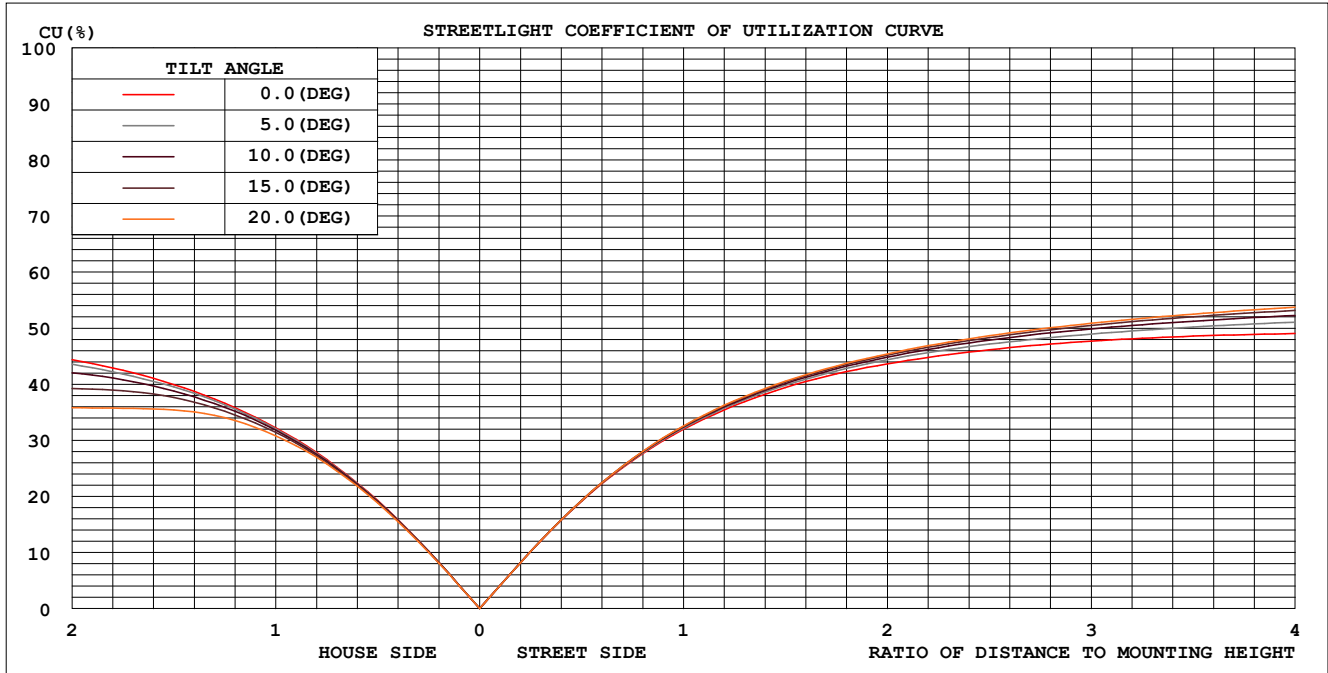
Classification:

IES:Type IV - Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:43.73cd/klm
Max.At90:4.237cd/klm
Max.80-90:43.73cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3834
90%	3451
80%	3067
70%	2684
60%	2301
50%	1917
40%	1534
30%	1150
20%	767
10%	383
5%	192

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.2361A P:50.90W PF:0.9760 Lamp Flux:7413.17x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

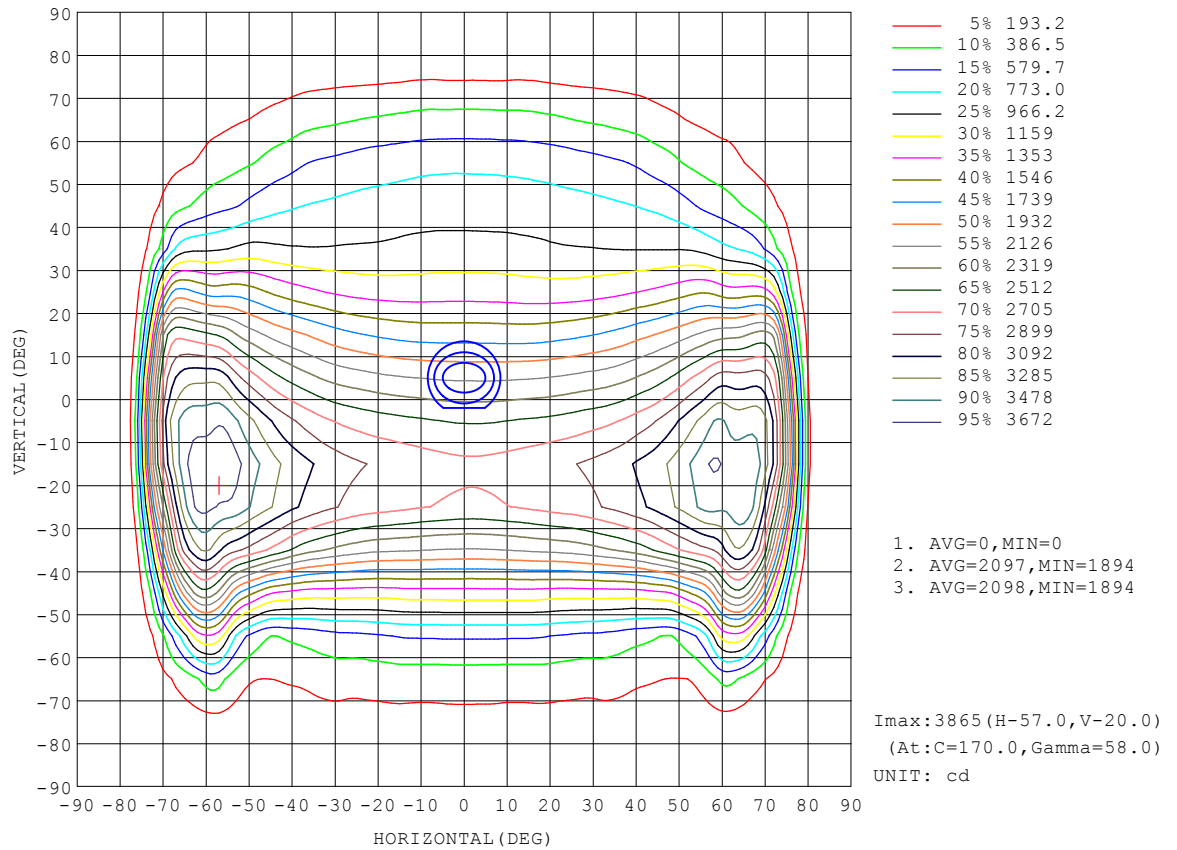
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	2299	2438	2495	2443	2305	2159	2098	2155	0- 5	54.95	54.95	0.74,0.74
10	2313	2589	2693	2600	2326	2021	1897	2012	5- 10	164.7	219.7	2.96,2.96
15	2323	2735	2750	2751	2339	1875	1655	1860	10- 15	272.5	492.1	6.64,6.64
20	2339	2809	2808	2825	2364	1698	1413	1675	15- 20	373.5	865.6	11.7,11.7
25	2378	2886	2667	2897	2407	1520	1266	1485	20- 25	466.5	1332	18,18
30	2408	2873	2526	2874	2449	1372	1119	1335	25- 30	547.8	1880	25.4,25.4
35	2461	2771	2112	2768	2531	1220	1029	1193	30- 35	613.9	2494	33.6,33.6
40	2567	2636	1698	2635	2661	1055	939.7	1040	35- 40	659.1	3153	42.5,42.5
45	2719	2247	1268	2242	2846	975.1	878.9	964.4	40- 45	684.3	3837	51.8,51.8
50	2960	1814	837.8	1805	3113	874.9	818.1	873.1	45- 50	689.6	4527	61.1,61.1
55	3225	1223	604.1	1215	3394	785.0	735.5	786.6	50- 55	676.3	5203	70.2,70.2
60	3347	596.4	370.5	591.7	3489	672.4	652.8	680.1	55- 60	644.6	5848	78.9,78.9
65	3254	381.2	281.6	376.6	3449	505.0	454.6	508.4	60- 65	568.8	6416	86.6,86.6
70	3045	230.8	192.8	229.0	3086	321.0	256.4	323.0	65- 70	485.4	6902	93.1,93.1
75	1635	158.6	131.7	159.4	1460	173.6	168.5	171.6	70- 75	339.9	7242	97.7,97.7
80	123.0	96.69	70.60	99.06	94.35	98.17	80.63	94.83	75- 80	129.9	7372	99.4,99.4
85	55.57	25.81	0	27.41	35.84	24.59	0	22.77	80- 85	35.92	7407	99.9,99.9
90	31.41	0	0	0	24.83	0	0	0	85- 90	5.670	7413	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

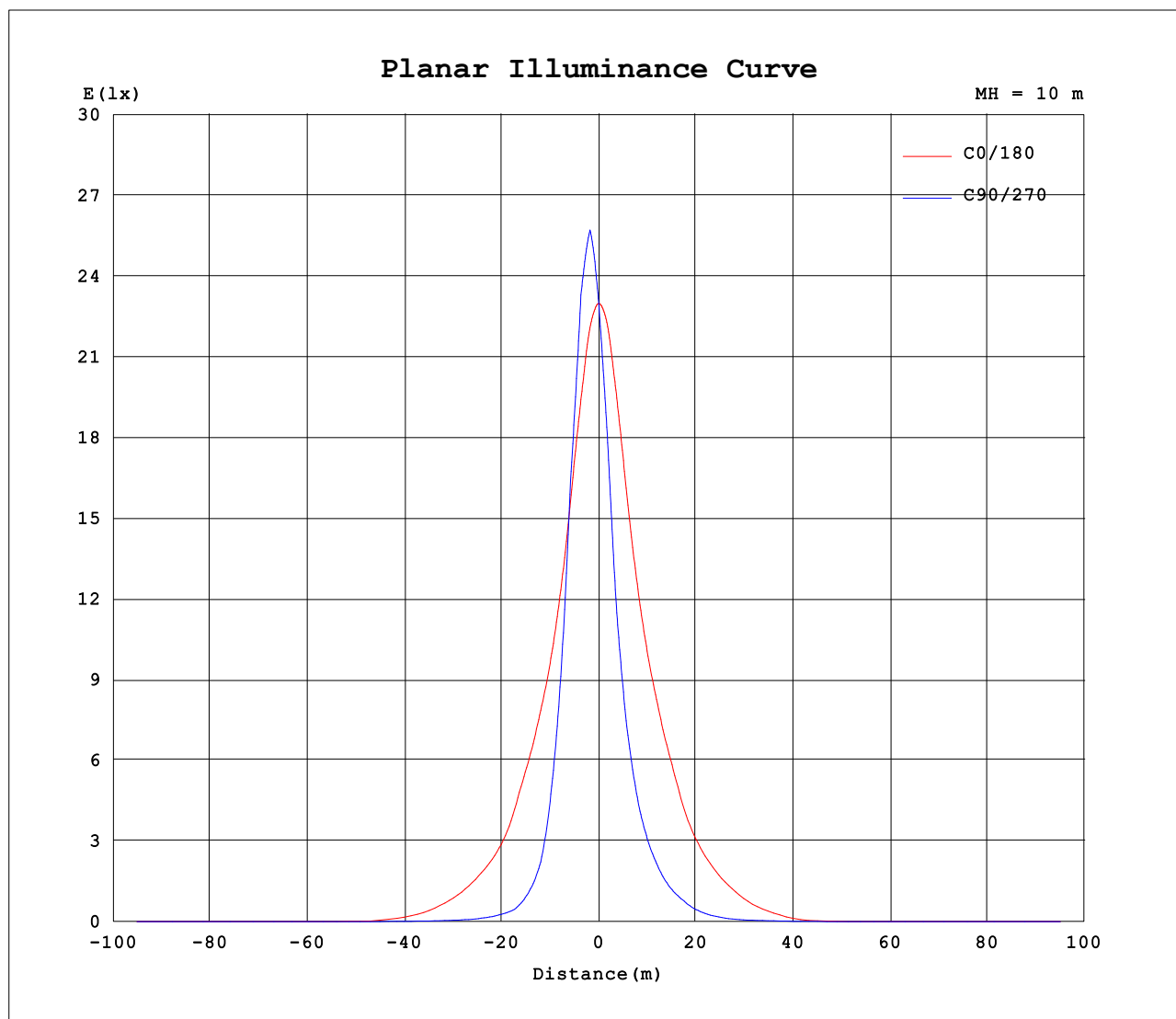
Test:U:220.9V I:0.2361A P:50.90W PF:0.9760 Lamp Flux:7413.17x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



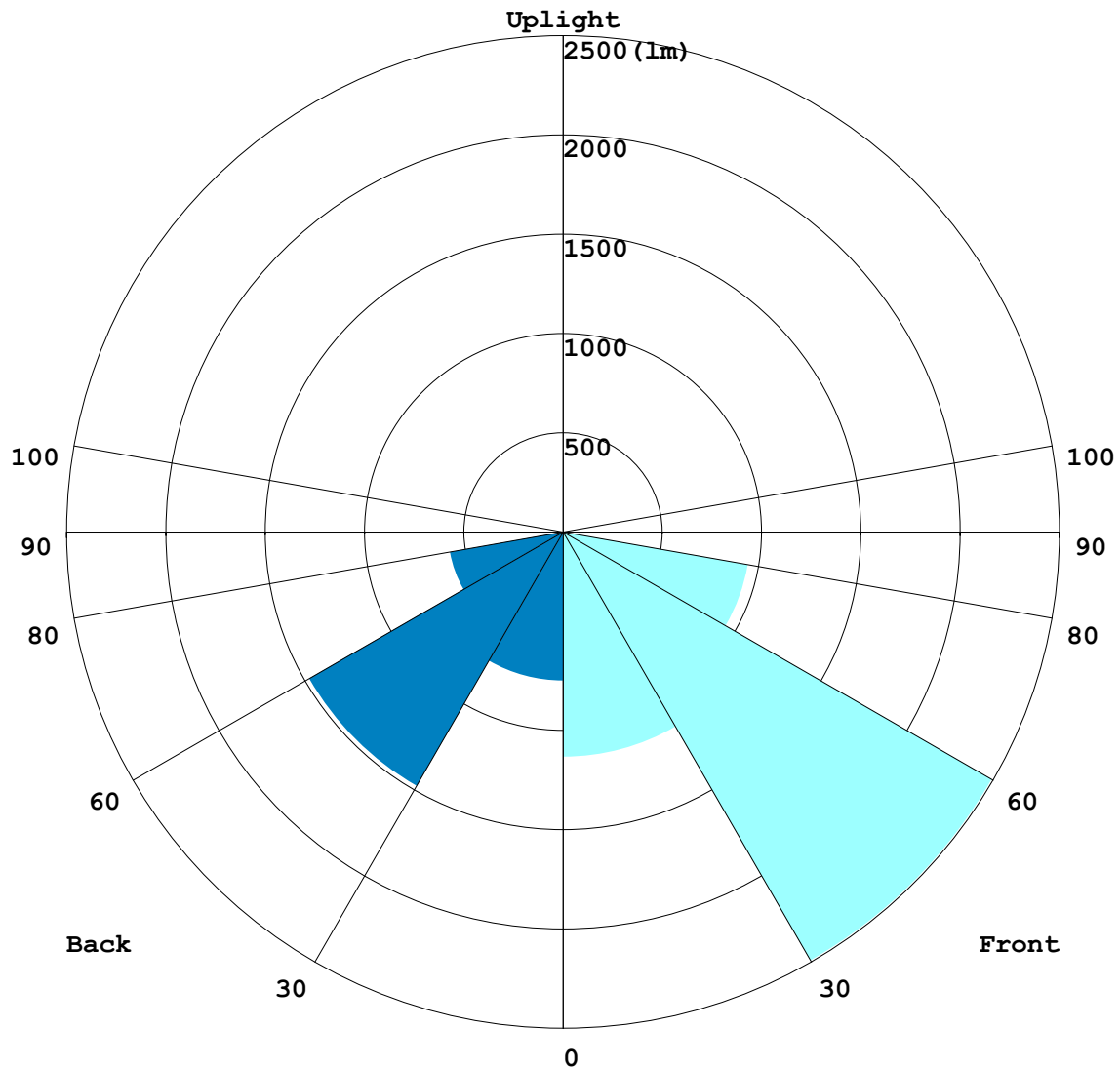
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.2361A P:50.90W PF:0.9760 Lamp Flux:7413.17x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.2361A P:50.90W PF:0.9760 Lamp Flux:7413.17x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1131.8	15.3
FM - Front-Medium(30-60)	2491.4	33.6
FH - Front-High(60-80)	945.66	12.8
FVH - Front-Very High(80-90)	24.102	0.3
Total Forward Light	4593	62.0

BL - Back-Low(0-30)	748.05	10.1
BM - Back-Medium(30-60)	1476.3	19.9
BH - Back-High(60-80)	578.33	7.8
BVH - Back-Very High(80-90)	17.49	0.2
Total Back Light	2820.1	38.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2820.1	0	2820.1
Street Side	4593	0	4593

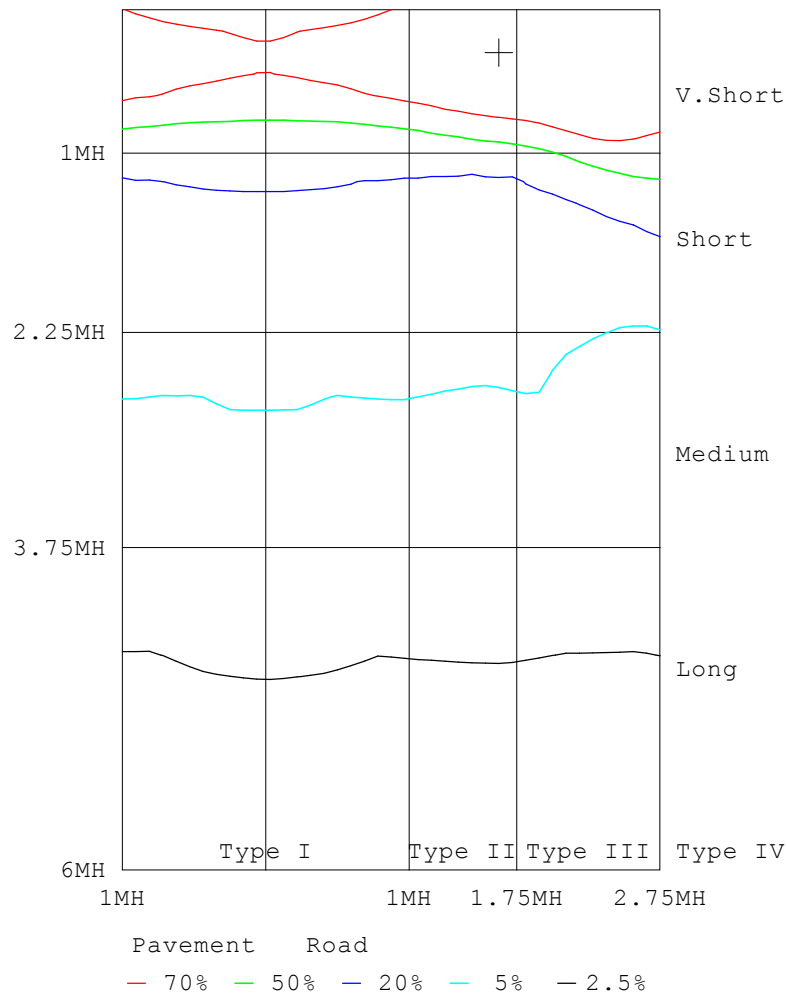
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.2361A P:50.90W PF:0.9760 Lamp Flux:7413.17x1 lm		
NAME: OPCITYIII-50W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```